

549,596

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
30 September 2004 (30.09.2004)

PCT

(10) International Publication Number
WO 2004/082517 A2

(51) International Patent Classification⁷:

A61D

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:

PCT/IL2004/000256

(22) International Filing Date: 18 March 2004 (18.03.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/455,567

19 March 2003 (19.03.2003) US

(71) Applicant (for all designated States except US): BAR
ILAN UNIVERSITY [IL/IL]; Ramat Gan 52000 (IL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): YADID, Gal [IL/IL];
88 Maccabim St., Shoham 73142 (IL). ZOHAR, Joseph
[IL/IL]; 24 Shlonsky St., Herzlia 46767 (IL).

(74) Agent: FRIEDMAN, Mark M.; 7 Haomanim St., 7 Haomanim Street, Tel Aviv 67897 (IL).

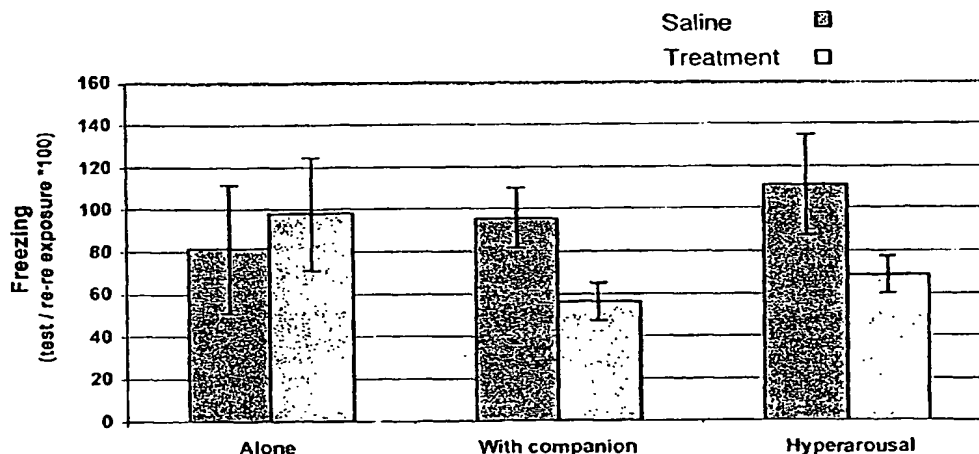
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ANIMAL EXHIBITING PTSD LIKE BEHAVIOR, METHODS FOR PRODUCTION OF SAME AND METHODS FOR SCREENING A CANDIDATE COMPOUND FOR PTSD TREATMENT EMPLOYING SAME



(57) Abstract: The invention relates to production of maladapted animals characterized by PTSD like behavior from a population by behavioral conditioning. The method includes determining a baseline behavioral level for individual under defined conditions; exposing each individual animal to trauma event and further determining a posttraumatic event behavioral level; re-exposing each individual to a trauma related event and further determining an individual post trauma related event behavioral level and evaluating the individual post trauma related event behavioral level for each individual animal with respect to a baseline value according to a predetermined rule in order to determine which individuals are maladapted animals characterized by PTSD like behavior. Use of the method for assaying efficacy of PTSD treatment is within the scope of the invention, as are animals produced by claimed methods. Once the method is established, biological parameters may be employed in addition to, or in lieu of behavioral parameters.

WO 2004/082517 A2